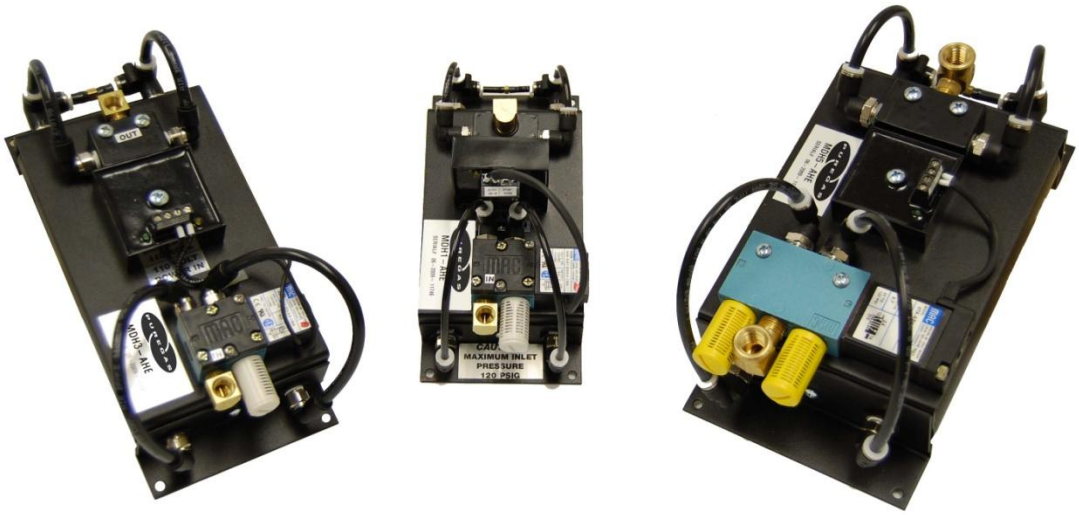
# MDH Series Air Dryer



# User's Guide

Models covered:

MDH1 MDH2 MDH3 MDH4 MDH5 MDH6

PUREGAS

P012547 REV B

## 1. Welcome & Congratulations

Congratulations on your purchase of a new PUREGAS MDH SERIES AIR DRYER! We here at PUREGAS are very proud of our products. We are committed to providing you with the best value and service possible.

We are sure that you will be satisfied with your new air dryer and would like to thank you for choosing PUREGAS for your air dryer requirements. We also hope that you will continue to choose us for your future Compressed Air Treatment and related products purchases.

For information about this and other PUREGAS products, please visit us on the web at

www.puregas.com

## 2. Introduction

**PLEASE READ THIS USER'S GUIDE THOROUGHLY AND SAVE FOR FUTURE REFERENCE.**

This User's Guide is provided for the benefit of our customers and contains information and direction specific to the PUREGAS MDH SERIES AIR DRYER. It will cover topics including: safety, specifications, installation, testing, maintenance, and troubleshooting issues. Observation and compliance with this User's Guide will ensure the maximum life and efficiency of your air dryer.

This User's Guide should be read thoroughly prior to installing, operating, or servicing the air dryer in order to become familiar with the recommended procedures. This will minimize the possibility of personal injury or damage to the dryer due to improper operation or handling.

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## 4. Safety & Warning Information

This section contains general information about safety and warning points to consider and adhere to during installation and maintenance of your air dryer. PLEASE READ THIS SECTION BEFORE PERFORMING ANY OPERATION OR PROCEDURE ON YOUR AIR DRYER.

Additional warnings specific to an operation or procedure will also be presented throughout the following sections. These will include the ⚠ symbol as well as a label of "**WARNING!**", "**CAUTION!**", or "**IMPORTANT!**". Please be sure to pay close attention for these warnings and read them as you encounter them.

**IMPORTANT!**

Performing procedures not described in this User's Guide MAY VOID THE WARRANTY.

**IMPORTANT!**

Appropriate inlet filtration is **MANDATORY** and outlet filtration is recommended for all applications.

**IMPORTANT!**

Each air dryer is sized for specific operating conditions. For **OPTIMUM** performance, the maximum available operating pressure should be maintained across the unit. Any pressure reduction or flow control should be done downstream of the unit. Depending on the magnitude of the change, the size of the desiccant chambers or orifice may need to be changed.

# 5. Overview & Specifications

## 5.1 Product Description

The MDH SERIES AIR DRYER from PUREGAS is a compact, regenerative desiccant air dryer designed to dry compressed air to a standard pressure dew point (PDP) of -40°F. Optional performance of -100°F atmospheric dew point (ADP) or -100°F pressure dew point (PDP) can be achieved. The pressure-swing adsorption (PSA) process used is fully automatic and will remain consistent with minimal required periodic maintenance.

## 5.2 Key Features

- Ultra dry air to better than -40°F PDP
- Continuous self-regenerative operation
- Outlet flow capacities of 0.3 to 2.4 SCFM at 100 PSIG
- Operating pressures of 30 to 120 PSIG
- Miniature design sized for fractional horsepower air compressor
- Low power requirements (6 watts)
- Ideal for OEM and point-of-use applications

## 5.3 MDH Series Air Dryer Models

| Model | Inlet Flow | Purge Flow | Outlet Flow |
|---|---|---|---|
| MDH1 | 0.40 | 0.10 | 0.30 |
| MDH2 | 0.80 | 0.20 | 0.60 |
| MDH3 | 1.10 | 0.27 | 0.83 |
| MDH4 | 1.60 | 0.40 | 1.20 |
| MDH5 | 2.40 | 0.60 | 1.80 |
| MDH6 | 3.20 | 0.80 | 2.40 |

Notes:

1. Flow capacities in SCFM shown are for standard units operated at 100 PSIG and outlet dew point of -40°F PDP.
2. Inlet and outlet flow capacities will be greater at higher pressures and lower at lower pressures. Consult factory for other conditions.
3. Standard compressed air inlet conditions are 100°F saturated.

## 5.4 Technical Specifications

| | |
|---|---|
| **Dimensions** | |
| **MDH1** | 7.0" H x 3.5" W x 3.3" D |
| **MDH2** | 10.3" H x 3.5" W x 3.3" D |
| **MDH3** | 8.8" H x 4.0" W x 3.5" D |
| **MDH4** | 10.1" H x 4.0" W x 3.5" D |
| **MDH5** | 9.5" H x 5.0" W x 3.8" D |
| **MDH6** | 11.5" H x 5.0" W x 3.8" D |
| **Voltage Requirements** | 115 VAC, 1 Phase 50/60 Hz<br>230 VAC, 1 Phase 50/60 Hz<br>12 VDC<br>24 VDC |
| **Power** | 6 Watts |
| **Electrical Rating** | NEMA 1 |
| **Operating Ambient Temperature Range** | 33° to 120° F (0.5° to 49° C) |
| **Inlet Temperature** | ≤ 70°F Recommended<br>120°F Maximum |
| **Maximum Inlet Pressure** | 120 PSIG |
| **Cycle Timer** | Solid State with memory |
| **Purge Cycle** | 60 seconds per side continuous |
| **Separation Media** | 4A50 Molecular Sieve |
| **Noise Level** | <90 dBA |
| **Inlet/Outlet Connections** | |
| **MDH1-MDH4** | 1/8" NPT Female |
| **MDH5-MDH6** | 1/4" NPT Female |

# 6. Installing Your Air Dryer

## 6.1 Safety & Warning Information

**WARNING!**

**Extreme care should be exercised to avoid contact with live electrical circuits.** Many procedures performed during installation, and testing of this air dryer require the equipment to be running, creating a situation for potential electrical shock. It is highly recommended that you remove all jewelry before performing any procedures.

**CAUTION!**

Proper Installation & Maintenance as outlined in this User's Guide is extremely important to ensure the reliability and longevity of the equipment as well as prevent damage or personal injury.

**CAUTION!**

Incoming power to dryer must be:

- 115 VAC, 1 Phase 50/60 Hz
- 230 VAC, 1 Phase 50/60 Hz
- 12 VDC
- 24 VDC

**CAUTION!**

Do **NOT** exceed the SCFM flow capacity of the air dryer. Be aware of what your dryer is rated for before you install your MDH Series Air Dryer.

## 6.2 Before You Begin

**6.2.1 Carefully inspect the unit, including the shipping box as well as the air dryer, for ANY DAMAGE CAUSED BY SHIPPING. If any shipping damage is detected, it is important to file a claim with the shipping company prior to continuing the installation procedures.**

**6.2.2** Read the entire *Installing Your Air Dryer* section to familiarize yourself with the components and procedures before performing the installation.

**6.2.3** Verify the installation location of the air dryer:

**6.2.3.1** Ambient temperature is between 33° and 120°F

**NOTE:** Higher temperatures will decrease component lifespan.

**6.2.3.2** Meets one of the following power requirements:

- 115 VAC, 1 Phase 50/60 Hz
- 230 VAC, 1 Phase 50/60 Hz
- 12 VDC
- 24 VDC

## 6.3 Included Contents

(1) MDH Series Air Dryer

(1) User's Guide (not shown)

## 6.4 Required Tools and Materials

- Power Cord (varies on voltage of unit)
- Needle nose pliers
- Mounting hardware
- Drill
- Drill bit (varies on mounting hardware)
- Medium adjustable wrench (used only when installing a Complete System)
- Small flathead screwdriver
- Cup of soapy water
- 1-inch paint brush (recommended)

## 6.5 Installation Steps

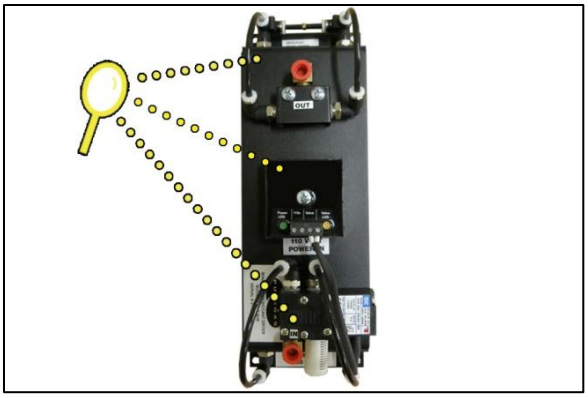
**IMPORTANT!**

To properly operate the Air Dryer, PUREGAS recommends that all air filtration elements and options be installed. **SEE SECTION 10.3**

**6.5.1** Remove the MDH Series Air Dryer from packaging.

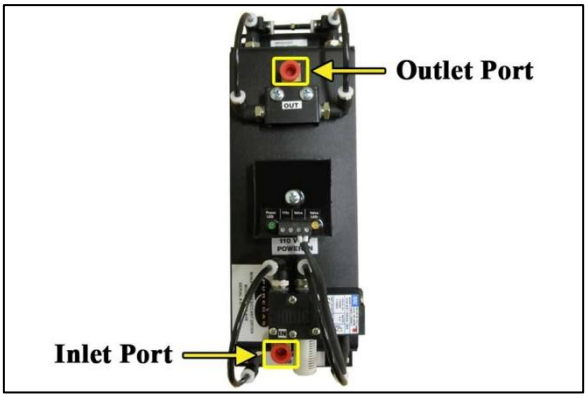
**6.5.2** Check for loose parts or wiring.

**NOTE:** If ANY SHIPPING DAMAGE is detected, file a claim with the shipping company prior to continuing the installation procedures.

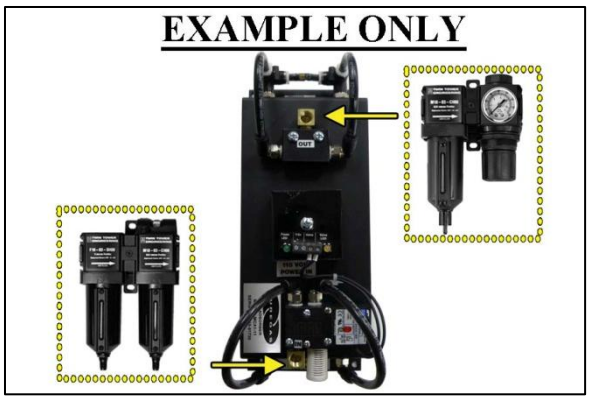


**6.5.3** Place the MDH Series Air Dryer at the operating location.

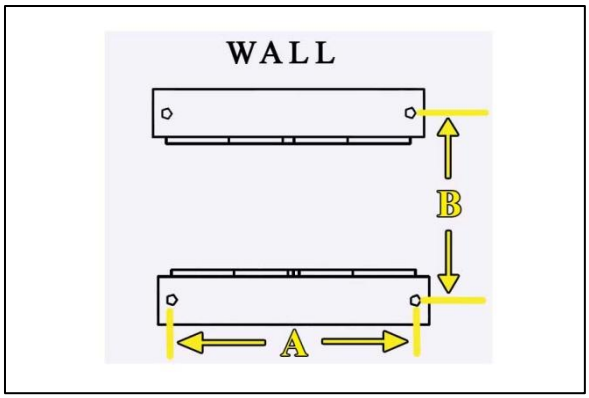
**6.5.4** With needle nose pliers remove and discard plugs.



**6.5.5** Install inlet and outlet fittings, filters, and/or assemblies to air dryer.



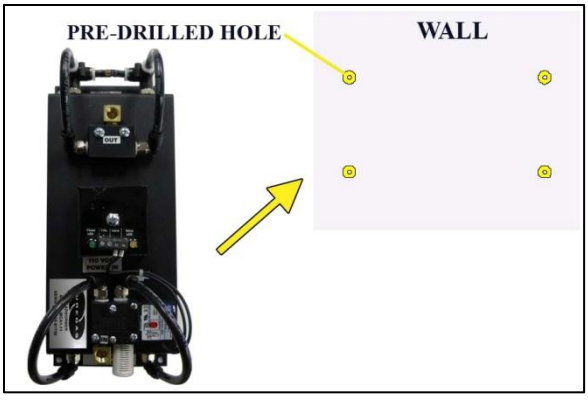

**6.5.6** Pre-drill holes in wall, and install wall mount hardware. (See chart below)



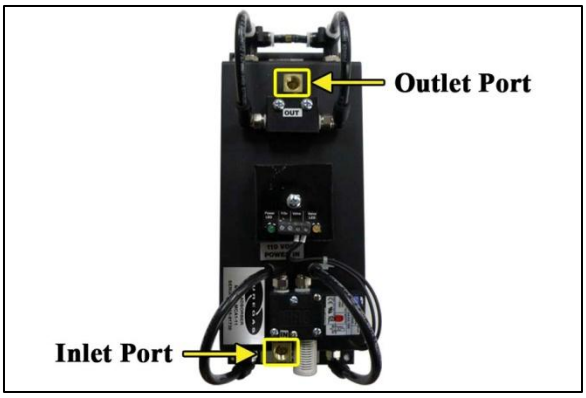

**NOTE:** Wall mounting hardware installation instructions may vary. The MDH Model will determine the layout for your mounting.

| Model | Width (A) x Height (B) |
|---|---|
| MDH1 | 3 1/8" x 6 5/8" |
| MDH2 | 3 1/8" x 9 7/8" |
| MDH3 | 3 5/8" x 8 3/8" |
| MDH4 | 3 5/8" x 9 5/8" |
| MDH5 | 4 1/2" x 9" |
| MDH6 | 4 1/2" x 10 15/16" |

**6.5.7** Mount MDH to wall using secure wall mounting hardware.



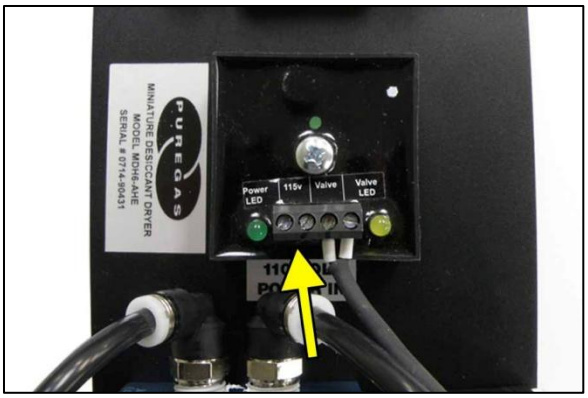
**6.5.8** Connect the air lines to the inlet and outlet ports.




⚠ **CAUTION:** Do not exceed SCFM flow capacity of the air dryer.

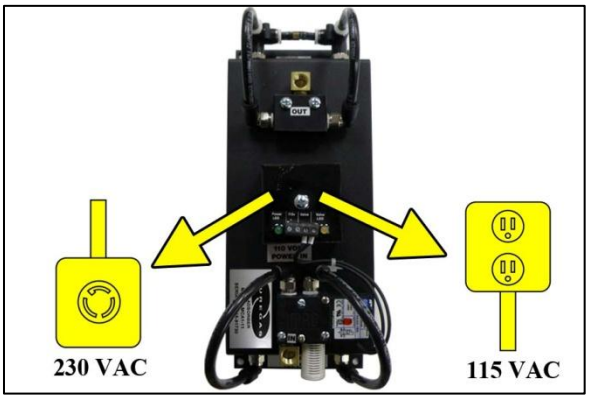
**6.5.9** With a small flathead screw driver, wire power cord to timer.

**NOTE:** Customer must supply a power cord and plug to match their receptacle.




**6.5.10** Plug in the Power Cord to an outlet:

- 115VAC power outlet, 1 Phase.
- 230 VAC power outlet, 1 Phase.
- 12 VDC power outlet (Not shown)
- 24 VDC power outlet (Not shown)



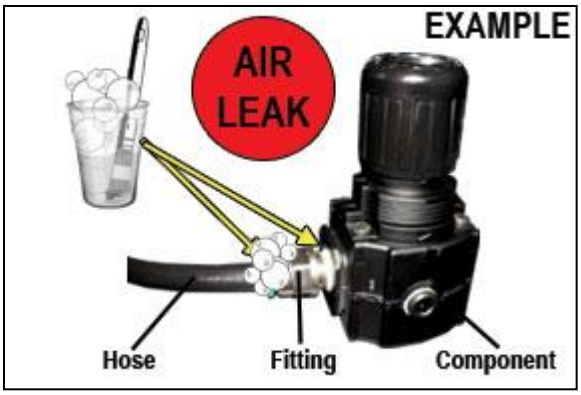
**6.5.11** Check for air leaks:

**NOTE:** This is a general procedure that can be applied to any fitting or hose that has air pressure in it.

**6.5.11.1** Listen for any 'hissing' sounds which may indicate a fitting or hose air leak.

**6.5.11.2** Use a 1-inch paint brush to dab soapy water on the air fitting or hose connection to be tested.

If air bubbles appear at the connection, this indicates that air is leaking from the connection.




*If any leaks are detected, take steps to seal them off (as necessary):*

- *Tighten the fitting*
- *Re-connect the hose end*
- *Replace the fitting/hose/component*

**6.5.12 REGISTER YOUR AIR DRYER.** *See section 7. for details.*

## 6.6 Installation Checklist

- ☐ No shipping damage was detected.
- ☐ Wall mounted properly.
- ☐ No air leaks are present.

## 7. Registering Your MDH Series Air Dryer

Please take a moment to register your PUREGAS MDH SERIES AIR DRYER. Registering is necessary to activate the Limited Warranty on your product. Once you register, you are eligible to receive free technical support, as well as updates concerning your PUREGAS products.

Register Online at www.puregas.com/registration

Or by Phone 1-800-521-5351 **(option 2)**

Have the following information available:

**Model #**:_____ **Serial #**:_____

**Company Name**:_____ **Location Name**:_____

**Shipping Address**:_____

**City**:_____ **State**:_____ **Zip Code**:_____

**Contact Name**:_____ **Phone #**: (___) ___ - ____ **ext.** ____

**Email**:_____

# 8. Testing Your Air Dryer

## 8.1 Safety & Warning Information

**WARNING!**

**Extreme care should be exercised to avoid contact with live electrical circuits.** Many procedures performed during installation, testing, and maintenance of this air dryer requires the equipment to be running, creating a situation for potential electrical shock. It is highly recommended that you remove all jewelry before performing any procedures.

**CAUTION!**

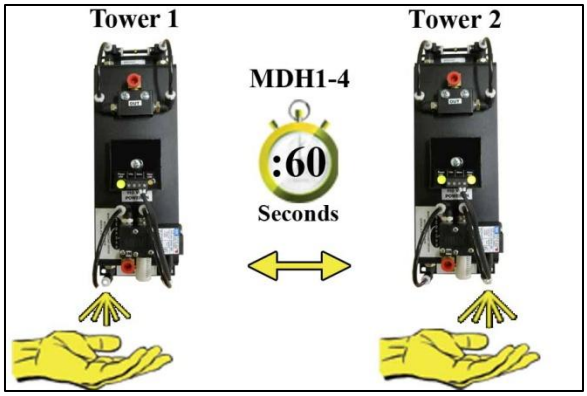
Observe precautions for handling **Electrostatic Sensitive Devices.**

## 8.2 Testing Consistent Dryer Cycling MDH1-4

**8.2.1** Push the tube in and hold the ferrule. While holding the ferrule pull the tube out.

**8.2.2** Place your hand beneath the disconnected tube and feel for air.

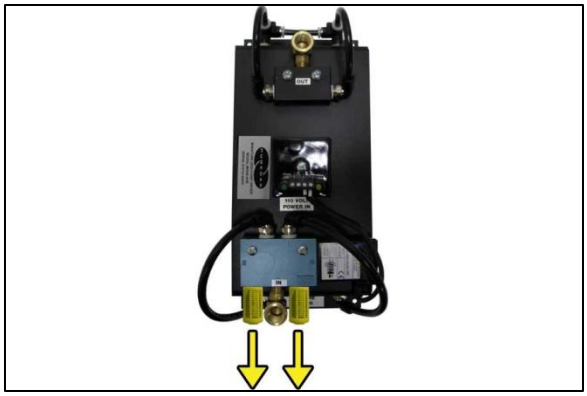
- Tower 1 will purge for **60 seconds**
- Tower 2 will purge for **60 seconds**
- Tower 1 will purge for **60 seconds**
- . . . and so on.




**8.2.3** Reinstall tubes after each cycle has been verified.

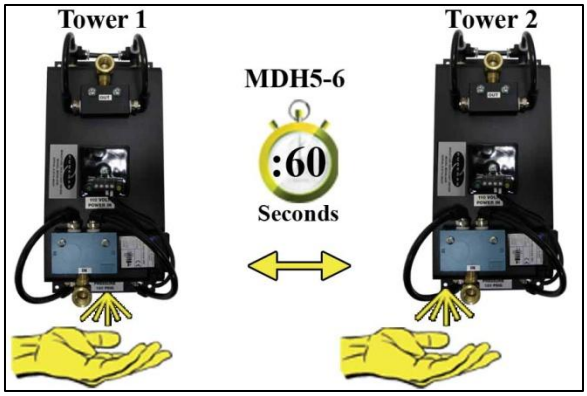
## 8.3 Testing Consistent Dryer Cycling MDH5-6

**8.3.1** With a small flathead screwdriver, remove the purge mufflers.



**8.3.2** Place your hand beneath the 4 way valve and feel for purging air.

- Tower 1 will purge for **60 seconds**
- Tower 2 will purge for **60 seconds**
- Tower 1 will purge for **60 seconds**
- . . . and so on.

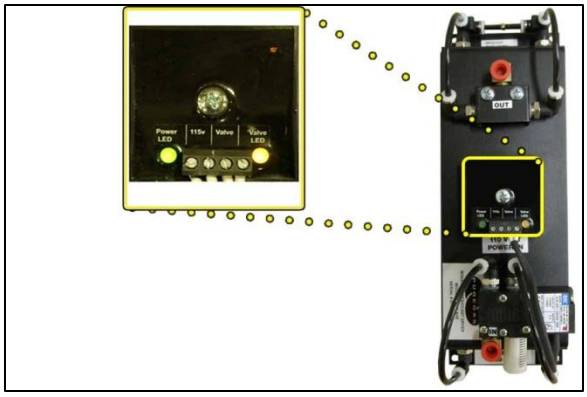



**8.3.3** With a small flathead screwdriver, reinstall purge mufflers.

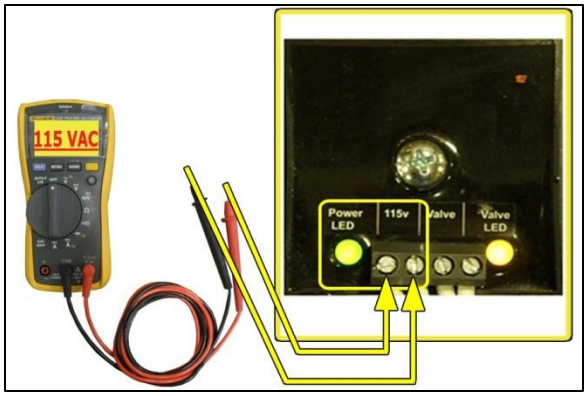
## 8.4 Measuring Incoming Voltage

**8.4.1** Locate the Cycle Timer.

The timer has two (2) sets of terminals (from left-to-right):
"**Power**" – Incoming power
"**Valve**" – 4 Way Valve



**8.4.2** With the Green LED energized, use a Voltmeter to measure the incoming voltage across the power terminals.




**NOTE:** The 115 label may be any of the following voltages mentioned below.

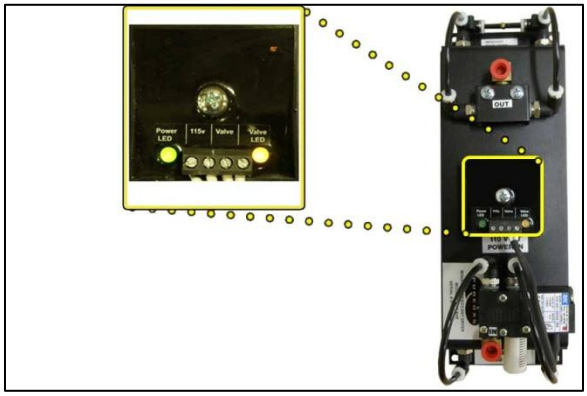
The voltage should measure:

- **115VAC**
- **230 VAC**
- **12 VDC**
- **24 VDC**

*If the incoming voltage measures less than indicated above, it is recommended that steps be taken at your facility to increase the incoming power to the recommended levels.*

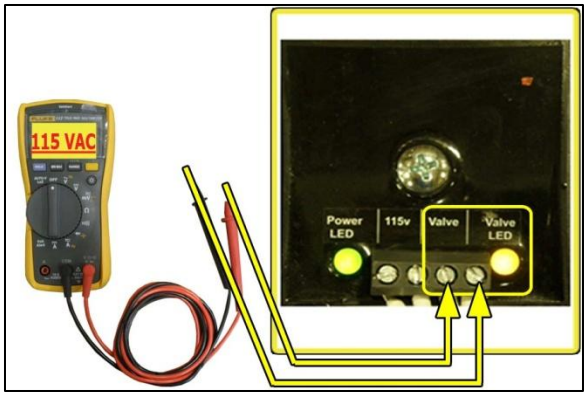
## 8.5 Measuring 4 Way Solenoid Voltage

**8.5.1** Locate the Cycle Timer.



The timer has two (2) sets of terminals (from left-to-right):
"**Power**" – Incoming power
"**Valve**" – 4 Way Valve

**8.5.2** When the Amber LED is energized, use a Voltmeter to measure the voltage across the set of valve terminals.




Continue to measure for up to 90 seconds if no voltage is initially measured.

The voltage should measure:

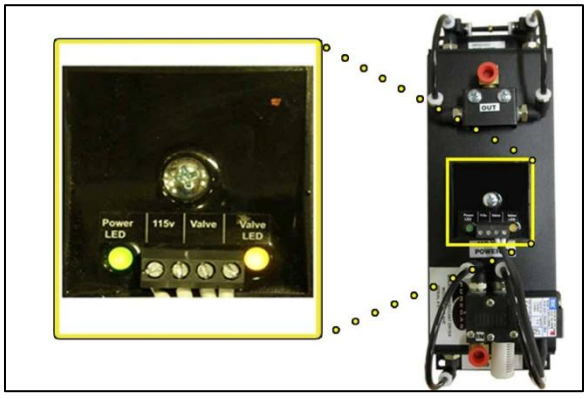
- **115 VAC**
- **230 VAC**
- **12 VDC**
- **24 VDC**

*If the voltage does not measure as indicated above, verify incoming power section 8.4 or if there is any indication that the Cycle Timer is defective it should be replaced. See sections10.2 for part detail and 15.2 for ordering information.*

## 8.6 Visually Verify Cycle Timer

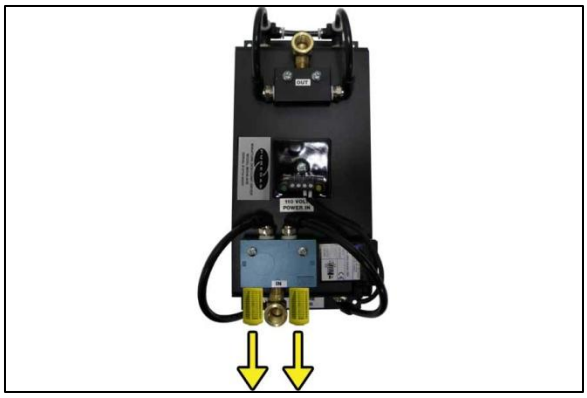
**8.6.1** Locate the Cycle timer.

**8.6.2** LEDs will be illuminated to indicate what the current cycle is; incoming power and/or 4 way valve.



## 8.7 Test for Purge Muffler Restriction

**8.7.1** Using a small flathead screwdriver, remove purge mufflers.



**NOTE**: The MDH1- 4 will only have one purge muffler.

**8.7.2** Verify if the operation of the unit has improved after 4 minutes of cycling.

**8.7.2.1** If so, install new purge mufflers using a small flathead screwdriver.

**8.7.2.2** If not, re install old purge mufflers using a small flathead screwdriver.

*If the Purge Muffler is dirty you should replace it as well. See Section 10.1 for parts and Section 15.2 for ordering.*

## 8.8 Testing Air Fittings & Hoses for Leaks

**NOTE:** This is a general procedure that can be applied to any fitting or hose that has air pressure in it.

**8.8.1** Listen for any 'hissing' sounds which may indicate a fitting or hose air leak.

**8.8.2** Use a 1-inch paint brush to dab soapy water on the air fitting or hose connection to be tested.

If air bubbles appear at the connection, this indicates that air is leaking from the connection.

*If any leaks are detected, take steps to seal them off (as necessary):*

- *Tighten the fitting*
- *Re-connect the hose end*
- *Replace the fitting/hose/component*

# 9. Maintaining Your Dryer

In order to ensure that your MDH Air Dryer continues to operate efficiently and reliably, PUREGAS recommends performing the following maintenance procedures at the specified Six Month intervals.

It is also recommended that you print out the included *Maintenance* log sheet *(section 16)* and record all completed maintenance for historical tracking and reference purposes.

The log sheet includes a Section reference column which indicates the User's Guide section containing the information about the specific procedure. Please refer to these sections for detailed procedural information.

**NOTE:** When operating at higher ambient temperatures, it is recommended that maintenance be performed more frequently.

## 9.1 Safety & Warning Information

**WARNING!**

**Extreme care should be exercised to avoid contact with live electrical circuits.** Many procedures performed during installation, operation, testing, and maintenance of this air dryer require the equipment to be running, creating a situation for potential electrical shock. It is highly recommended that you remove all jewelry before performing any procedures.

**CAUTION!**

**SHUT DOWN IMMEDIATELY FOR REPAIRS** if the air dryer shows any evidence of excessive noise.

**CAUTION!**

Observe precautions for handling **Electrostatic Sensitive Devices.**

**IMPORTANT!**

After performing any maintenance, always soap test pressure fittings to check for air leaks. Also, check for any loose or disconnected wiring.

## 9.2 Maintenance Log Sheet

MODEL: _____ LOCATION NAME: _____

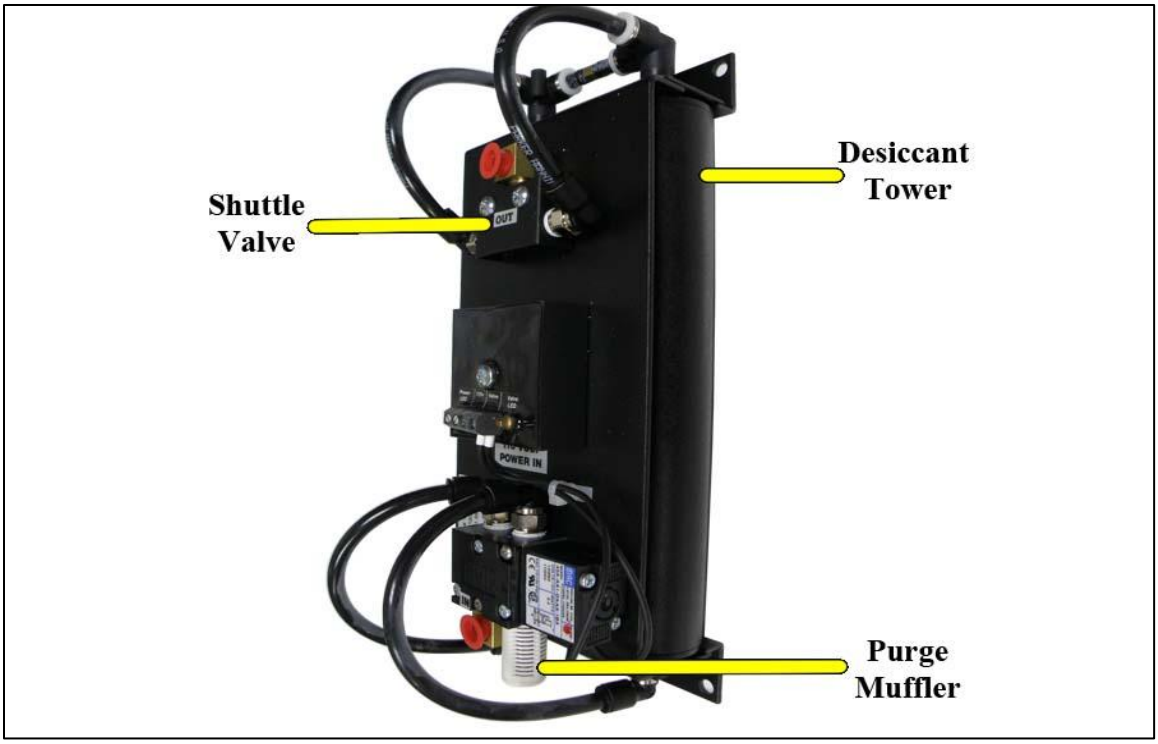
SERIAL NUMBER: _____ ADDRESS: _____

DATE INSTALLED: _____ _____

| | | Maintenance Interval (Months) | | | | |
|---|---|---|---|---|---|---|
| **Procedure** | **Section** | **6** | **12** | **18** | **24** | **30** |
| Visually Inspect MDH for Loose Wiring or Hardware | 6.5.2 | ☐ | ☐ | ☐ | ☐ | ☐ |
| Test Consistent Dryer Cycling MDH 1-4<br>Test Consistent Dryer Cycling MDH 5-6 | 8.2<br>8.3 | ☐ | ☐ | ☐ | ☐ | ☐ |
| Measure & Record Incoming Voltage | 8.4 | | | | | |
| Visually Verify Cycle Timer | 8.6 | ☐ | ☐ | ☐ | ☐ | ☐ |
| **Maintenance Performed by:** | | | | | | |
| **Date of Maintenance:** | | | | | | |

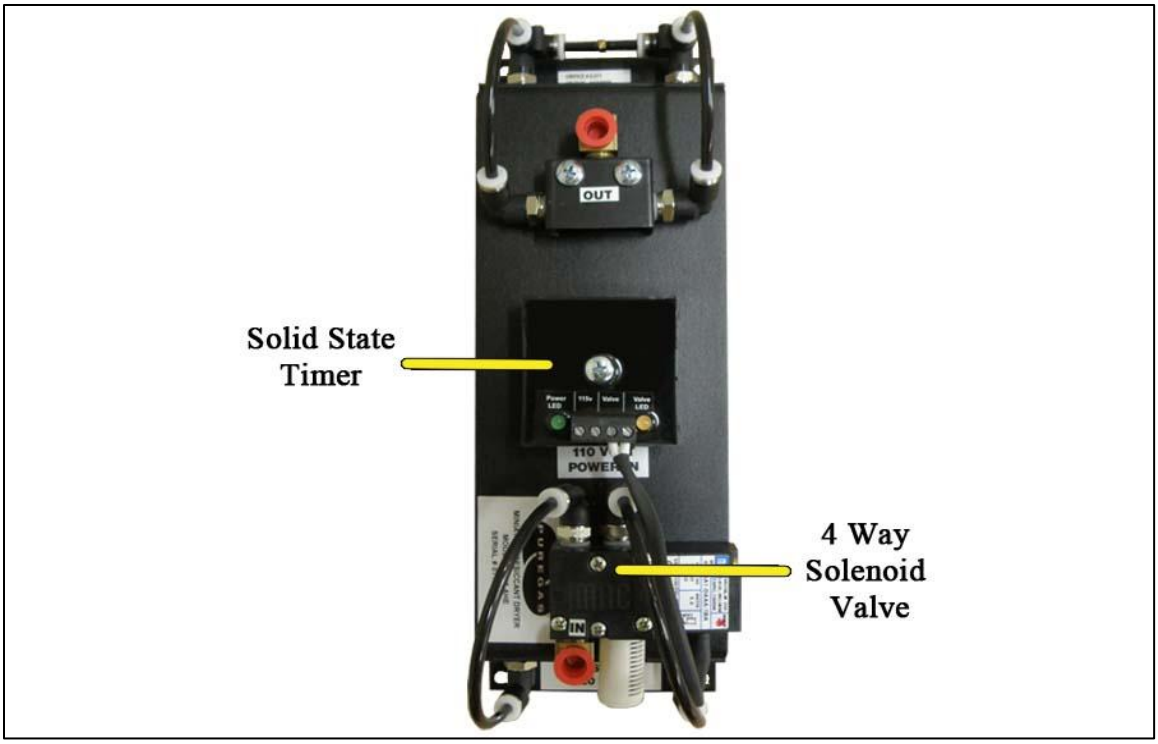
# 10. Replacement Parts & Accessories

## 10.1 Parts




| Description | Part Number | | Quantity | Recommended Spare |
|---|---|---|---|---|
| Desiccant Tower | | | | |
| MDH1 | 51371 | | | |
| MDH2 | 51372 | | | |
| MDH3 | 51373 | | 2 | |
| MDH4 | 51374 | | | |
| MDH5 | 51375 | | | |
| MDH6 | 51376 | | | |
| | **MDH1-4** | **MDH5-6** | | |
| Shuttle Valve | 61015 | 61016 | 1 | |
| Purge Muffler | 10040 | 20504 | 2 | ✓ (2) |

## 10.2 Parts Continued




| Description | Part Number | | | |
|---|---|---|---|---|
| | 115 VAC | 230 VAC | 12 VDC | 24 VDC |
| Solid State Timer | 51800 | 50022 | 50021 | 50021 |
| 4 Way Valve | | | | |
| MDH1-4 | 10043 | 10043-220V | 10043-12VDC | 10043-24VDC |
| MDH5-6 | 51353 | 51370 | P012865 | 51872 |

## 10.3 Accessories for Your Air Dryer

| | Description | Part Number |
|---|---|---|
| | Filter Kit<br><br>Keeps all impurities from contaminating the desiccant towers. Includes 5 micron pre-filter, 0.01 coalescing pre-filter, and 0.5 micron after-filter. | 51820 |
| | Filter Kit w Regulator<br><br>Keeps all impurities from contaminating the towers and allows you to regulate your outlet pressure. Includes 5 micron pre-filter, 0.01 coalescing pre-filter, 0.5 micron after-filter, gauge and regulator. | 51820-R |
| | Replacement Element Kit<br><br>Includes 5 micron pre-filter, 0.01 coalescing pre-filter, and 1.0 micron after-filter. | 51975 |
| | Moisture Indicator<br><br>Nickel-plated steel with blue to pink indicator and a brass tee. | MDH1-4 51356<br>MDH5-6 51364 |
| | Quiet Box Enclosure<br><br>A sleek looking box that suppresses sound while protecting your MDH in a NEMA 4 rated bud box. | 51985 |

### 10.4 Ordering Parts from PUREGAS

**IMPORTANT!**

Instruction for the replacement of individual listed components goes beyond the scope of this User's Guide and will not be covered. Please refer to the information included with the specific replacement part for this instruction.

Once you have identified your required parts and accessories, contact the PUREGAS Inside Sales/Service department to order:

(303) 427-3700

Fax – (303) 657-2205

sales@puregas.com

## 11. Service & Repair

### 11.1 Services Offered at Puregas' Facility

- **Complete Dryer Repair**
  - Replace desiccant towers, clean shuttle valve (replace disc if necessary), replace purge mufflers, and verify if both the solid state timer and the 4-way valve are working properly.

### 11.2 Initiating a Service Transaction

- Contact our Parts & Service Department at **1-800-521-5351 (option 3)** to obtain a Return Authorization (RA) number.
- Carefully package the item(s) to be returned.
- Mark the Return Authorization (RA) number on the outside of the shipping container.
- Include the main address and phone number of the individual to contact for related inquiry and follow-up information.
- Include the purchase order number.

## *12. Troubleshooting Your Air Dryer*

### 12.1 Before You Call PUREGAS

**PLEASE READ THIS SECTION FIRST.** It is important that you use the following sections in order to diagnose and attempt to fix the problem with your air dryer before placing a call to PUREGAS Technical Support.

This troubleshooting guide is intended to simplify the isolation of problems, present possible causes, provide test procedures for verification, and suggest corrective actions to restore the air dryer back to normal operation. Each section begins with the most likely cause(s) of the issue. Otherwise, they start from the simplest possibilities and progress to more complicated ones.

This troubleshooting guide is designed to be easy to follow and very effective when used properly. It is suggested to always start at the beginning of the specific problem section and continue in sequence, following the procedures indicated.

## 12.2 Safety & Warning Information

**WARNING!**

**For your safety, all the information in this User's Guide must be followed to minimize the risk of electrical shock, and prevent property damage or personal injury.**

**WARNING!**

**Extreme care should be exercised to avoid contact with live electrical circuits.** Many procedures performed during installation and testing of this air dryer require the equipment to be running, creating a situation for potential electrical shock. It is highly recommended that you remove all jewelry before performing any procedures.

**IMPORTANT!**

Performing procedures not described in this User's Guide or installing components not supplied by PUREGAS is NOT RECOMMENDED AND MAY VOID THE WARRANTY.

## 12.3 Restricted Pressure or Flow

| Possible Cause | Check | Corrective Action |
|---|---|---|
| No power to unit | Verify power is supplied to the unit (section 8.4) | Troubleshoot facility power supply to air dryer |
| Dirty or obstructed inlet filter | Verify inlet air filter elements are clean | Replace filter elements (section 10.3) |
| Inlet and outlet ports reversed | Verify ports for proper orientation (section6.5.4) | Reconnect properly |

## 12.4 Excessive Purge

| Possible Cause | Check | Corrective Action |
|---|---|---|
| 4 way solenoid valve burned out | Test for consistent dryer cycle, and verify voltage (section 8.2 and 8.5) | Replace 4 way solenoid valve (section 10.2) |

## 12.5 Delivers Wet Air

| Possible Cause | Check | Corrective Action |
|---|---|---|
| High inlet temperature | Verify inlet temperature is below 100°F. | Reduce inlet air temperature. |
| Air flow through dryer in excess of rated capacity | Verify outlet flow does not exceed air dryer's rated flow | Reduce air usage downstream. |
| Low inlet pressure | Verify inlet pressure meets air dryer's rated pressure, or is not restricted. (section 12.3) | Increase pressure, or replace filter elements. (section 10.3) |
| 4 way solenoid valve burned out | Test for proper purge cycle, and verify voltage (section 8.2 and 8.5) | Replace solenoid valve (section 10.2) |
| Defective timer | Verify timing cycle (section 8.6) | Replace timer (section 10.2) |
| Purge flow restricted | Test for purge muffler restriction (section 8.7 | Replace mufflers (section 10.1) |

## 12.6 Contacting PUREGAS Technical Support

**Please read the *Before You Call PUREGAS* section (12.1)**

Once you have exhausted all of the potential problems and solutions covered in the *Troubleshooting Your Dryer* section, and you still require further assistance to correct a problem, contact PUREGAS Technical Support:

(800) 521-5351 **(option 1)**

Have the following information available:

**Trouble Ticket # (if following-up on a previous call)**:_____

**Technician Name**:_____ **Phone #**:_____

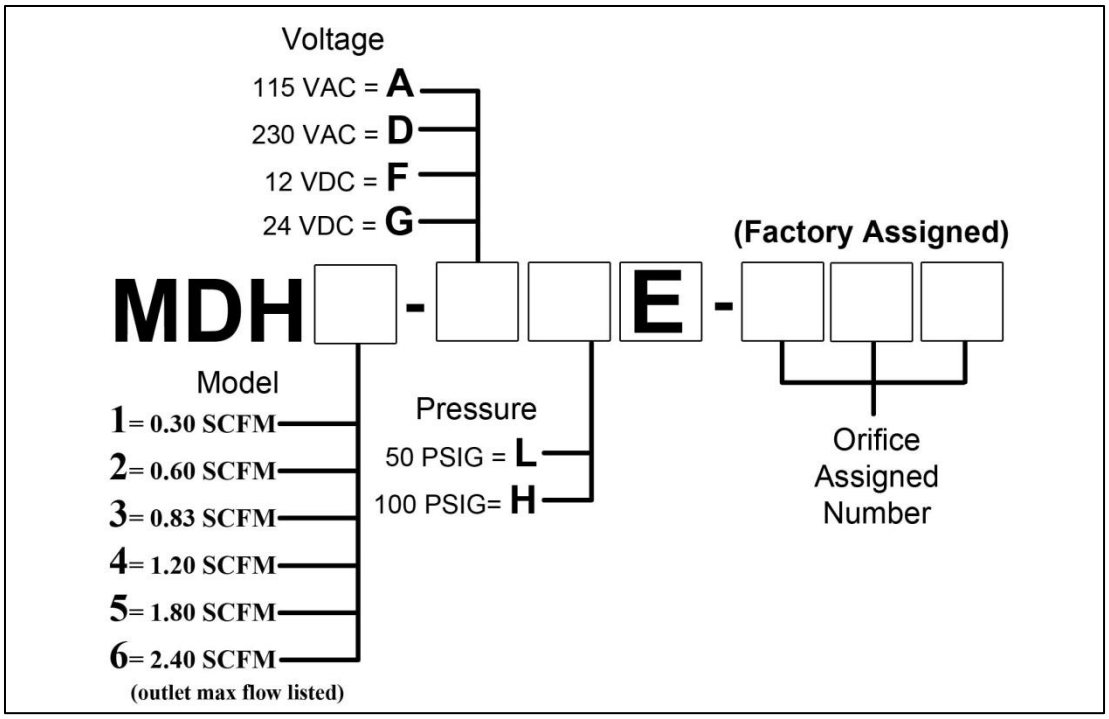
**Model #**:_____ **Serial #**:_____

**Company Name**:_____ **Location Name**:_____

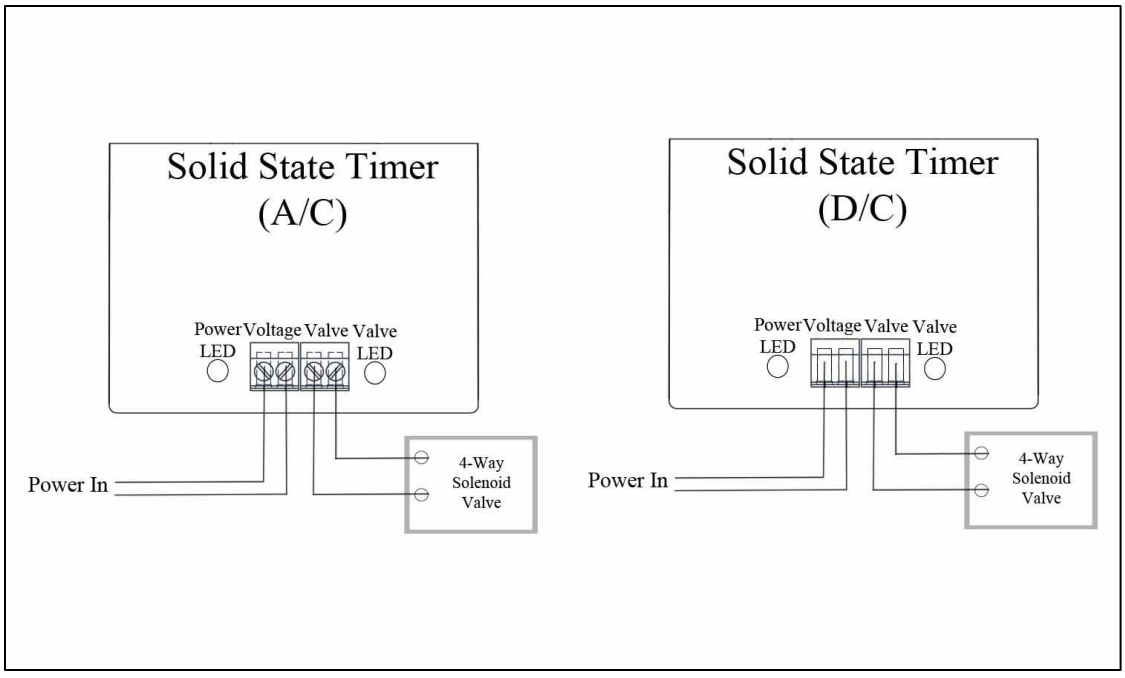
**City**:_____ **State**:_____

# 13. Appendix

## 13.1 Model Number Coding




## 13.2 Wiring Diagram



## 14. Limited Warranty Agreement

PUREGAS products carry a one (1) year warranty against defective workmanship and material. This period starts at date of shipment. Not included are the components subject to normal replacement during a year's operating time.
No claims for labor in replacing defective parts or for consequential damages will be allowed. Replacement parts will be invoiced in the regular way, with invoices subject to adjustment after the parts claimed defective are examined at our factory. In addition, no material or parts will be accepted at our factory for in-warranty repairs or credit without previous authorization from PUREGAS.

Responsibility for damages incurred in transit will be borne by the user and the user in turn should file any damage claim against the carrier. All warranty items are F.O.B. Broomfield, Colorado. Freight charges are the responsibility of the user.

This warranty shall not apply to any PUREGAS product which shall have been repaired or altered in any way by anyone other than PUREGAS or authorized personnel so as to affect, in our judgment, its proper functioning or reliability, neither will it apply to any product which has been subject to misuse, negligence, or accident. The installation of unauthorized non PUREGAS parts will void the warranty on those PUREGAS products.

### Registration Reminder

If you haven't already done so, please take a moment to register your PUREGAS MDH SERIES AIR DRYER. **Registering is necessary to activate this Limited Warranty on your product.** Once you register, you are eligible to receive free technical support, as well as updates concerning your PUREGAS products.

***See Section 7. for details on Registering Your Air Dryer.***

# 15. Contacting PUREGAS

## 15.1 General

PUREGAS, LLC
226A Commerce Street
Broomfield, Colorado 80020

(800) 521-5351
(303) 427-3700
Fax – (303) 657-2205

sales@puregas.com
www.airdryers.com

## 15.2 Sales

(800) 521-5351
Fax – (303) 657-2205

sales@puregas.com

## 15.3 Service

(800) 521-5351 **(option 3)**
Fax – (303) 657-2205

## 15.4 Technical Support

(800) 521-5351 **(option 1)**

**DON'T FORGET TO REGISTER YOUR MDH AIR DRYER!**

***See Section 7. for details on Registering Your Air Dryer.***

## 16. Maintenance Log Sheet

MODEL: _____ LOCATION NAME: _____

SERIAL NUMBER: _____ ADDRESS: _____

DATE INSTALLED: _____ _____

| Procedure | Section | Maintenance Interval (Months) 6 | 12 | 18 | 24 | 30 |
|---|---|---|---|---|---|---|
| Visually Inspect MDH for Loose Wiring or Hardware | 6.5.2 | ☐ | ☐ | ☐ | ☐ | ☐ |
| Test Consistent Dryer Cycling MDH1-4<br>Test Consistent Dryer Cycling MDH 5-6 | 8.2<br>8.3 | ☐ | ☐ | ☐ | ☐ | ☐ |
| Measure & Record Incoming Voltage | 8.4 | | | | | |
| Visually Verify Cycle Timer | 8.6 | ☐ | ☐ | ☐ | ☐ | ☐ |
| **Maintenance Performed by:** | | | | | | |
| **Date of Maintenance:** | | | | | | |

**NOTE:** COPY OR PRINT THIS PAGE AND KEEP IT WITH THE AIR DRYER

## 17. Notes